AMENDMENTS TO THE CLAIMS

1-46. (Canceled)

47. (New) A process for producing an oxide comprising anatase titania which comprises:

a. forming a solution comprising a hydrolyzable titanium compound and an organic polymer in an organic solvent,

b. hydrolyzing said titanium compound to form a gel and

c. reacting said gel with hot water at a temperature of 100°C or below to elute said polymer from said gel to produce said oxide comprising anatase titania, wherein the ratio of the organic polymer to said oxide comprising anatase titania is from 0.1 to 10.

48. (New) The process of claim 47 wherein said solution of a. additionally contains one or more of metal alkoxides, metal salts of organic acids, metal chlorides or derivatives thereof.

49. (New) The process of claim 47 wherein said solution of a. additionally contains a silicon organic compound.

50. (New) The process according to claim 47 wherein the organic polymer is a water-soluble organic polymer.

51. (New) The process according to claim 47 wherein the hydrolyzable titanium compound is an alkoxide of titanium.

52. (New) The process according to claim 47 wherein reaction of the gel with water is carried out with hot water.

53. (New) The process according to claim 47 wherein a functional molecule or a metal ion is dissolved in the hot water, thereby to dope the anatase titania or a composite oxide containing the anatase titania with the functional molecule or metallic particles.

54. (New) The process according to claim 47 wherein a film of said gel is formed on a substrate and then is allowed to react with water to produce a film of controlled specific surface area and pore size.

55. (New) The process according to claim 54 wherein a film of anatase titania is formed.

56. (New) The process according to claim 54 wherein a film of composite oxide containing the anatase titania is formed.

57. (New) The process according to claim 56 wherein a transparent film of the composite oxide is formed.

58. (New) The process according to claim 50 wherein the organic polymer is a polyalkyl ether.

59. (New) The process according to claim 58 wherein the polyalkyl ether is polyethylene glycol.